

## EAST Search History

S15	516	xiang.in.	USPAT	OR	OFF	2005/08/02 15:40
S16	0	S15 and microwave and cavity and pointed and tip	USPAT	OR	OFF	2005/08/02 15:40
S17	10	S15 and microwave and cavity and point and tip	USPAT	OR	OFF	2005/08/02 15:40
S18	16	("5559328"   "5619035").PN. OR ("5821410").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/08/02 15:47
S19	16	"5900618"	USPAT	OR	OFF	2005/11/17 18:31
S20	2	(change with resonant with frequency) same (sem or evanesent)	USPAT	OR	OFF	2006/06/27 16:13
S21	0	(shift with resonant with frequency) same (sem or evanesent)	USPAT	OR	OFF	2006/06/27 16:21
S22	2	(chang\$4 with resonant with frequency) same (sem or evanesent)	USPAT	OR	OFF	2006/06/27 16:13
S23	2	(chang\$4 with resonan\$4 with frequency) same (sem or evanesent)	USPAT	OR	OFF	2006/06/27 16:21
S24	0	(variation with resonan\$4 with frequency) same (sem or evanesent)	USPAT	OR	OFF	2006/06/27 16:20
S25	0	(variation with resonan\$4 with frequency) same (sem or evanesent)	USPAT	OR	ON	2006/06/27 16:20
S26	4	(variation with resonan\$4 with frequency) same (sem or evanesent)	US-PGPUB; USOCR	OR	ON	2006/06/27 16:28
S27	0	(variation with resonan\$4 with frequency) same (sem or evanesent)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:21
S28	0	(variation with resonan\$4 with frequency) and (sem or evanesent)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:21
S29	5	(chang\$4 with resonan\$4 with frequency) same (sem or evanesent)	US-PGPUB; USOCR	OR	OFF	2006/06/27 16:21
S30	0	(chang\$4 with resonan\$4 with frequency) same (sem or evanesent)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/27 16:21
S31	0	(chang\$4 with resonan\$4 with frequency) and (sem or evanesent)	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/27 16:21
S32	2	(shift with resonant with frequency) same (sem or evanesent)	US-PGPUB; USOCR	OR	OFF	2006/06/27 16:21

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	19	(microwave near probe).ti.	US-PGPUB; USPAT	OR	ON	2007/09/19 18:38
S2	5	((("5599294") or ("4686463") or ("4544880") or ("4543823") or ("4503384"))).PN.	USPAT	OR	OFF	2005/03/04 18:43
S3	5	S2 and impedance	USPAT	OR	OFF	2005/03/04 18:43
S4	14	(microwave adj probe).ti.	US-PGPUB; USPAT	OR	ON	2005/07/22 15:01
S5	135	(resonan\$4 adj probe) and tip	US-PGPUB; USPAT	OR	ON	2005/07/22 15:23
S6	5	(resonan\$4 adj probe) and tip	USOCR	OR	ON	2005/07/22 15:03
S7	1	(resonan\$4 adj probe) and tip	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/22 15:04
S8	1071	(microwave or (micro adj wave)) with cavity not contact and sample	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2005/07/22 15:28
S9	1	S8 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2005/07/22 15:28
S10	3	("6311086"   "6472869"   "6538454").PN. OR ("6693426").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 15:28
S11	10	("20020041221"   "5781018"   "5821410"   "5900618"   "6020800"   "6100703"   "6209482"   "6376836").PN. OR ("6538454").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 15:29
S12	15	("5559328"   "5619035").PN. OR ("5821410").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 15:44
S13	10	("20020153909"   "5168538"   "5502392"   "5508627"   "5543386"   "5821410"   "5900618"   "5936237"   "6173604"   "6285811").PN. OR ("6680617").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/22 15:48
S14	3	"3885239"	US-PGPUB; USPAT	OR	ON	2005/07/27 15:55

## EAST Search History

S33	2	(shift with resonant with frequency) same (sem or evanescent)	US-PGPUB; USOCR	OR	ON	2006/06/27 16:22
S34	0	(shift with resonant with frequency) same (sem or evanescent)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:22
S35	0	S26 S29 S32 S33	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:22
S36	8	S26 S29 S32 S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:22
S37	36	(variation with resonant\$4 with frequency) and (sem or evanescent)	US-PGPUB; USOCR	OR	ON	2006/06/27 16:31
S39	16	(variation with resonant\$4 with frequency) and (sem or evanescent) and cavity	US-PGPUB; USOCR	OR	ON	2006/06/27 16:32
S40	16	(variation with resonant\$4 with frequency) and (sem or evanescent) and cavity	US-PGPUB; USOCR	OR	ON	2006/06/27 16:32
S41	13	("4019915"   "4675123"   "4917810"   "4977547"   "5169551").PN. OR ("5221872").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/27 16:41
S42	1	S41 and resonant\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/27 16:42
S43	17	(US-6532806-\$ or US-4543823-\$ or US-5821410-\$ or US-4544880-\$ or US-6538454-\$ or US-4503384-\$ or US-5900618-\$ or US-5599294-\$ or US-6693426-\$ or US-5168538-\$ or US-4686463-\$ or US-6173604-\$ or US-6680617-\$ or US-5508627-\$ or US-5221872-\$).did. or (US-2859407-\$ or US-3588704-\$). did.	USPAT; USOCR	OR	OFF	2006/06/27 18:12
S44	11	S43 and resonant\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/27 18:12

## EAST Search History

S45	11	S43 and resonan\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 18:12
S46	2832	reson\$4 near frequency near2 shift	US-PGPUB; USPAT	OR	ON	2006/08/31 20:04
S47	89	(reson\$4 near frequency near2 shift) and (microwave near2 cavity)	US-PGPUB; USPAT	OR	ON	2006/08/31 20:05
S48	27	(reson\$4 near frequency near2 shift) and (microwave near2 cavity) and impedance	US-PGPUB; USPAT	OR	ON	2006/08/31 20:18
S49	6	("20030155934" "3624240" "6173604" "6532806" "6597185" "6725095").PN.	US-PGPUB; USPAT	OR	ON	2006/08/31 20:18
S50	9	((reson\$4 near frequency near2 shift) and microwave near2 cavity).clm.	US-PGPUB; USPAT	OR	ON	2006/08/31 20:21
S51	0	((reson\$4 near frequency near2 shift) and (microwave near2 cavity) and impedance).clm.	US-PGPUB; USPAT	OR	ON	2006/08/31 20:21
S53	4	((reson\$4 near frequency near2 shift) and (microwave near2 cavity).ab.	US-PGPUB; USPAT	OR	ON	2006/08/31 20:21
S54	9	((reson\$4 near frequency near2 shift) and (microwave near2 cavity).clm.	US-PGPUB; USPAT	OR	ON	2006/09/05 08:38
S55	2	((("5821410") or ("6173604")).PN.	USPAT	OR	OFF	2006/09/05 09:26
S56	1	S55 and quasi	USPAT	OR	OFF	2006/09/05 09:27
S57	1	S55 and quasi\$5	USPAT	OR	OFF	2006/09/05 09:27
S58	2	((("6173604") or ("5821510")).PN.	USPAT; USOCR	OR	OFF	2007/07/06 13:54
S59	2	((("6173604") or ("5821410")).PN.	USPAT; USOCR	OR	OFF	2007/07/06 14:16
S60	3	((("6173604") or ("5821410") or ("6352806")).PN.	USPAT; USOCR	OR	OFF	2007/07/06 14:18
S61	3	((("6173604") or ("5821410") or ("6532806")).PN.	USPAT; USOCR	OR	OFF	2007/07/06 14:18
S62	0	("("5233306" "5315673" "5453689" "5554935" "5585722" "5629621" "6911646").PN").PN.	USPAT; USOCR	OR	OFF	2007/09/19 18:38
S63	0	("("5233306" "5315673" "5453689" "5554935" "5585722" "5629621" "6911646").PN.").PN.	USPAT; USOCR	OR	OFF	2007/09/19 18:38

## EAST Search History

S64	0	("5233306" "5315673" "5453689" "5554935" "5585722" "5629621" "6911646").PN.	USPAT; USOCR	OR	OFF	2007/09/19 18:38
S65	109	("5233306" "5315673" "5453689" "5554935" "5585722" "5629621" "6911646").PN"	USPAT	OR	OFF	2007/09/19 18:39
S66	7	("5233306" "5315673" "5453689" "5554935" "5585722" "5629621" "6911646").PN.	USPAT	OR	OFF	2007/09/19 20:32
S67	7	("5233306" "5315673" "5453689" "5554935" "5585722" "5629621" "6911646").PN.	USPAT	OR	OFF	2007/09/19 20:39
S68	0	S67 and modilat\$4	USPAT	OR	OFF	2007/09/19 20:32
S69	2	S67 and modulat\$4	USPAT	OR	OFF	2007/09/19 20:32
S70	20	("4507602"   "5047725").PN. OR ("5233306").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/20 14:08
S71	59	((coaxial near2 probe) with cavity)	USPAT	OR	OFF	2007/09/20 17:21
S72	3	((coaxial near2 probe) with (resonant near2 cavity))	USPAT	OR	OFF	2007/09/20 17:24
S73	1	((coaxial near2 probe) with (resonant near2 cavity))	USOCR	OR	OFF	2007/09/20 17:21
S74	1	"4364008".pn.	USPAT	OR	OFF	2007/09/20 19:20
S75	1	"3774717".pn.	USPAT	OR	OFF	2007/09/20 19:20